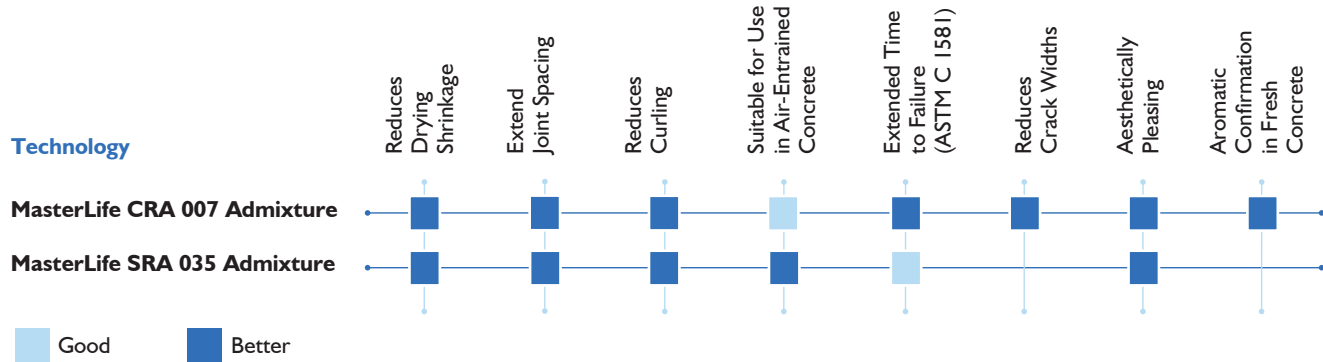


Producer Information For Crack-Reducing Admixture Technology

Overview

MasterLife[®] CRA 007 crack-reducing admixture is an innovative liquid chemical admixture that is specifically formulated to reduce the magnitude of drying shrinkage and, thereby, minimize the potential for cracking. Compared to a conventional shrinkage-reducing admixture, MasterLife CRA 007 crack-reducing admixture provides enhanced performance by reducing initial crack widths, should cracking occur.

Technology



Industry Standards and Certification

MasterLife CRA 007 admixture meets ASTM C 494/C 494M, Standard Specification for Chemical Admixtures for Concrete, requirements for Type S, Specific Performance Admixtures.

MasterLife CRA 007 admixture is also NSF certified for use in water-retaining structures.



Applications

MasterLife CRA 007 admixture can be used to meet drying shrinkage limits in project specifications; and is recommended for use in all concrete applications where cracking due to drying shrinkage is of concern, including:

- Slabs
- Parking structures
- Bridge decks
- Liquid-containing structures

MasterLife CRA 007 admixture works synergistically with any of the Master Builders Solutions MasterFiber line of synthetic macrofibers to help extend joint spacing in slabs-on-ground, or in jointless slab applications.



Slab on ground applications with no joints are possible using MasterLife CRA 007 admixture in conjunction with MasterFiber® macrofibers.

Dosage

The recommended dosage range of MasterLife CRA 007 admixture is 1.0 to 2.0 gal/yd³ (5.0 to 10.0 L/m³), depending on the specific application. However, dosages outside of this range may be required depending on the level of shrinkage reduction and crack control desired.

The mix water content must be reduced by the dosage of MasterLife CRA 007 admixture used.

Mixing

Preferably, MasterLife CRA 007 admixture should be added to the concrete mixture during the initial batch sequence. For air-entrained concrete, the timing of addition may have to be adjusted to facilitate air entrainment.

Product Position and Offering

MasterLife CRA 007 admixture is an innovative technology that affords a concrete producer the opportunity to differentiate and offer a premium, value-added concrete mixture.

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